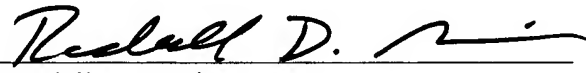


IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Lockyer CONFIRMATION NO.: 1674  
SERIAL NO.: 10/560,956 GROUP NO.: 1641  
FILING DATE: December 15, 2005 EXAMINER: Not yet assigned  
TITLE: METHODS FOR IDENTIFYING COMPOUNDS INTERACTING  
WITH SMALL MEMBRANE-BOUND GTP-ASES

**CERTIFICATE OF FIRST CLASS MAILING UNDER 37 C.F.R. 1.8**

I hereby certify that this correspondence, and any document(s) referred to as enclosed herein, is/are being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this 28<sup>th</sup> day of September, 2006.

  
Randall D. Morin

**Mail Stop PCT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith is/are:

1. Transmittal Form (1 page);
2. Response to Notification of Defective Response (2 pages);
3. Substitute Paper (7 pages) and Computer-Readable copies of Sequence Listing (1 disk);
4. Submission of Substitute Computer-Readable Copy of Sequence Listing for Invention Containing Nucleotide and/or Amino Acid Sequence (2 pages);
5. Copy of Notification of Defective Response (2 pages);
6. Copy of Raw Sequence Listing Error Report (4 pages); and
7. Return Receipt Postcard.

LIBC/2850202.1

# TRANSMITTAL FORM

Application Serial Number	10/560,956
Filing Date	December 15, 2005
First Named Inventor	Lockyer
Group Art Unit	1641
Examiner Name	Not yet assigned
Attorney Docket No.	MKC-008
Patent No.	Not applicable
Issue Date	Not applicable

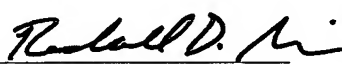
## ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Check Attached <input type="checkbox"/> Copy of Fee Transmittal Form <input checked="" type="checkbox"/> Amendment/Response <input type="checkbox"/> Second Preliminary <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Letter to Official Draftsperson  <input type="checkbox"/> Petition for Extension of Time  <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Form PTO-1449 <input type="checkbox"/> Copies of IDS Citations  <input type="checkbox"/> Certified Copy of Priority Document(s) <input checked="" type="checkbox"/> Sequence Listing submission <input checked="" type="checkbox"/> Paper Copy/CD <input checked="" type="checkbox"/> Computer Readable Copy <input checked="" type="checkbox"/> Statement verifying identity of above	<input type="checkbox"/> Copy of Notice to File Missing Parts of Application <input type="checkbox"/> Formal Drawing(s) <input type="checkbox"/> Request For Continued Examination (RCE) <input type="checkbox"/> Power of Attorney (Revocation of Prior Powers) <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Executed Declaration and Power of Attorney for Utility or Design Patent Application <input type="checkbox"/> Small Entity Statement <input type="checkbox"/> CD(s) for large table or computer program <input type="checkbox"/> Amendment After Allowance <input type="checkbox"/> Request for Certificate of Correction <input type="checkbox"/> Certificate of Correction (in duplicate)	<input type="checkbox"/> Notice of Appeal to Board of Patent Appeals and Interferences <input type="checkbox"/> Appeal Brief (in triplicate) <input type="checkbox"/> Status Inquiry <input checked="" type="checkbox"/> Return Receipt Postcard <input checked="" type="checkbox"/> Certificate of First Class Mailing under 37 C.F.R. 1.8 <input type="checkbox"/> Certificate of Facsimile Transmission under 37 C.F.R. 1.8 <input checked="" type="checkbox"/> Additional Enclosure(s) (please identify below)  - Copy of Notification of Defective Response (2 pages) - Copy of Raw Sequence Listing Error Report (4 pages)
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## CORRESPONDENCE ADDRESS

Direct all correspondence to: Patent Administrator  
 Goodwin Procter LLP  
 Exchange Place  
 Boston, MA 02109  
 Tel. No.: (617) 570-1000  
 Fax No.: (617) 523-1231  
 Customer No. 051414

## SIGNATURE BLOCK

Respectfully submitted,  
  
 Date: September 28, 2006  
 Reg. No. 58,312  
 Tel. No.: (617) 570-1657  
 Fax No.: (617) 523-1231  
 Randall D. Morin  
 Attorney for Applicant  
 Goodwin Procter LLP  
 Exchange Place  
 Boston, MA 02109

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICANT(S):	Lockyer	CONF. NO.:	1674
SERIAL NO.:	10/560,956	GROUP NO.:	1641
FILING DATE:	December 15, 2005	EXAMINER:	Not yet assigned
TITLE:	METHODS FOR IDENTIFYING COMPOUNDS INTERACTING WITH SMALL MEMBRANE-BOUND GTP-ASES		

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**RESPONSE TO NOTIFICATION OF DEFECTIVE RESPONSE**

This paper is responsive to the Notice mailed from the Office on September 19, 2006, for the above-identified patent application. Applicants enclose a substitute computer readable copy and a substitute paper copy of the sequence listing.

Applicants wish to thank Ms. Anne-Marie Corrigan of the Office's Scientific and Technical Information Center for her helpful clarification of this Notification in a phone conversation with the undersigned on September 27, 2006. In that conversation, it was agreed that sequence 17 of the computer readable copy of the sequence listing filed on July 19, 2006 does, in fact, contain all 36 amino acids as shown in the paper copy of the sequence listing filed on July 19, 2006. Ms. Corrigan indicated that sequence 17 appeared to contain only 32 amino acids because of a computer-generated transformation during the Office's review of the sequence listing.

As suggested by Ms. Corrigan in the September 27, 2006, phone conversation, Applicants have reviewed the sequence listing to confirm that each line contains no more than 72 characters, in accordance with 37 C.F.R. §1.823(a)(1). In response to the Notification, Applicants have amended the <213> descriptions for sequences 13-17 to add the word "Sequence." In addition, Applicants have amended the <223> descriptions for sequences 13-17 to remove the words

“sequence” and “alignment,” and replace them with the word “peptide,” as suggested by Ms. Corrigan.

The Office is invited to contact the undersigned attorney to discuss any matters relating to the application. Early favorable action is respectfully solicited.

Date: September 28, 2006  
Reg. No. 58,312

Tel. No.: (617) 570-1657  
Fax No.: (617) 523-1231

LIBC/2849454.1

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Randall D. Morin", written over a horizontal line.

Randall D. Morin  
Attorney for Applicants  
Goodwin Procter LLP  
Exchange Place  
Boston, Massachusetts 02109  
Customer No. 051414



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/560,956	Peter Lockyer	MKC-008

51414

GOODWIN PROCTER LLP  
 PATENT ADMINISTRATOR  
 EXCHANGE PLACE  
 BOSTON, MA 02109-2881

INTERNATIONAL APPLICATION NO.	
PCT/GB04/01765	
I.A. FILING DATE	PRIORITY DATE
04/26/2004	06/26/2003

**CONFIRMATION NO. 1674**  
**371 FORMALITIES LETTER**



\*OC000000020475583\*

Date Mailed: 09/19/2006

**NOTIFICATION OF DEFECTIVE RESPONSE**

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495)

- Priority Document
- Copy of the International Application filed on 12/15/2005
- Copy of the International Search Report filed on 12/15/2005
- Preliminary Amendments filed on 12/15/2005
- Information Disclosure Statements filed on 07/24/2006
- Biochemical Sequence Diskette filed on 07/24/2006
- Oath or Declaration filed on 07/24/2006
- Biochemical Sequence Listing filed on 12/15/2005
- U.S. Basic National Fees filed on 12/15/2005
- Priority Documents filed on 12/15/2005
- Specification filed on 12/15/2005
- Claims filed on 12/15/2005
- Abstracts filed on 12/15/2005
- Drawings filed on 12/15/2005
- Paper nucleotide sequence listings filed on 12/15/2005

Applicant's response filed 07/24/2006 is hereby acknowledged. The following requirements set forth in the NOTIFICATION of MISSING REQUIREMENTS mailed 03/09/2006 have not been completed.

- A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 CFR 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing." Applicant must provide a substitute computer readable form (CRF) copy of the "Sequence Listing" and a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d).

**Applicant is required to complete the response within a time limit of ONE MONTH from the date of this**

Notification or within the time remaining in the response set forth in the Notification of Missing Requirements, whichever is the longer. No extension of this time limit may be granted under 37 CFR 1.136, but the period for response set in the Notification of Missing Requirements may be extended under 37 CFR 1.136(a).

Applicant is cautioned that correction of the above items may cause the specification and drawings page count to exceed 100 pages. If the specification and drawings exceed 100 pages, applicant will need to submit the required application size fee.

For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:

- For Rules Interpretation, call (571) 272-0951
- For Patent Software Program Help, call Patent EBC at 1-866-217-9197 or directly at 703-305-3028 / 703-308-6845 between the hours of 6 a.m. and 12 midnight, Monday through Friday, EST.
- Send e-mail correspondence for Patent Software Program Help @ [ebc@uspto.gov](mailto:ebc@uspto.gov)

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

PATRICIA A BOOKER

Telephone: (703) 308-9140 EXT 204

PART 2 - OFFICE COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/560,956	PCT/GB04/01765	MKC-008